

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A caster comprising:

first and second wheels attached to a mounting leg;

at least one of the first and second wheels is pivotably attached to the mounting leg;

the first and second wheels disposed forward and back and an endless wrap-around member wrapped around the first and second wheels, the first and second wheels having common tangents C1 and C2, the common tangent C2 having an angle α with respect to a ground surface,

wherein the wraparound member is a continuous endless belt formed by connecting a plurality of pieces via ~~a plurality of~~ at least one connecting member, the wraparound member having a linear portion A formed along at least the common tangent C2 of the wheels,

wherein each of the pieces is independently formed as a body ~~having~~ including a wheel guide section on an inner peripheral side thereof,

each of the wheel guide section ~~sections~~ having

a connecting section extending in an axial direction of the wheels ~~that faces~~ and facing the adjacent pieces of either side thereof,

a pair of side walls formed, respectively, on inner and outer peripheral ends of the connecting section,

each of the side walls ~~a contacting section on each side of the connecting~~
~~section~~ facing the adjacent pieces and including a contact section extending away
from an axis of the wheels in a direction perpendicular to the connecting section, and
a guide wall extending toward the axis of the wheels in the direction
perpendicular to the connecting section, each end of the connecting section along an
axis of rotation of each of the wheels being provided with
~~a guide wall on an inner peripheral side thereof, the two guide walls being~~
~~separated by a length of the connecting section, and~~
when viewed along the ~~axis of rotation of each~~ axial direction of the wheels, each of
the contacting sections is seen as a linear section that extends parallel to the contacting
sections of the adjacent pieces, and that is perpendicular to the linear portion A of the
common tangent C2 of the wheels,

wherein ~~each of the guide walls~~ wall of ~~each of the wheel guide section~~ side walls
includes an inclined surface section,

the inclined surface section being adapted to form a groove that is substantially V-
shaped between each of the adjacent pieces, thereby enabling the wraparound member to
bend along an outer periphery of each of the first and second wheels, and

since the contacting sections of the adjacent pieces abut respectively against each
other along the linear portion A, the linear portion A of the common tangent C2 is capable
maintaining a linear condition and is prevented from being dented, so that even when the

linear portion A is pushed by a force from an outside, the linear portion A is capable of serving as an anti-sticking plate, and

~~plurality of pieces are connected by at least one connecting member extending through a connecting hole provided in each of the pieces.~~

2. (Cancelled)

3. (Withdrawn-Currently Amended) The caster according to claim 1, wherein ~~each of the~~ at least one connecting ~~members~~ member has a circular cross-section.

4. (Withdrawn-Currently Amended) The caster according to claim 1, wherein each of the pieces is provided with a tire section ~~on the~~ on an outer peripheral side of the body, and ~~wherein a wheel guide section into which~~ outer peripheral sections of the first and second wheels are fitted into the wheel guide sections.

5. (Withdrawn-Currently Amended) The caster according to claim 4, wherein each of the tire section sections and the wheel guide ~~section~~ sections are respectively formed as separate bodies.

6. (Withdrawn) The caster according to claim 1, wherein the first and second wheels

overlap each other when viewed from a direction perpendicular to the ground surface.

7. (Withdrawn-Currently Amended) The caster according to claim 1, wherein the first and second wheels have different diameters and a plurality of wheels with a smaller diameter is provided in the axial direction of the ~~axis of rotation~~ wheels.

8. (Withdrawn - Currently Amended) The caster according to claim 1, wherein each of the pieces of the wraparound member is provided with a tire section ~~on the~~ on an outer peripheral side thereof and, the tire section being formed as the continuous endless belt, and the guide ~~walls-wall~~ of each of the wheel-guide-section side walls being adapted to engage outer peripheral sections of the first and second wheels ~~and is being~~ combined with the tire section to form each of the pieces.

9. (Withdrawn - Currently Amended) The caster according to claim 1, wherein each of the pieces of the wraparound member is provided with a tire section ~~on the~~ on an outer peripheral side, the guide ~~walls-wall~~ of each of the wheel-guide-section side walls being provided to engage outer peripheral sections of the first and second wheels.

10. (Cancelled)

11. (Withdrawn-Currently Amended) The caster according to claim 1, wherein the first wheel is provided in such a manner a diameter thereof is $1/5$ or less of that of the second wheel and its thickness is substantially the same as that of the second wheel, wherein the first wheel is disposed close to an outer periphery of the second wheel so that the first and second wheels are disposed on the same straight line when viewed from ~~the direction~~ a direction of each ~~of the thickness~~ thicknesses.

12. (Withdrawn-Currently Amended) The caster according to claim 11, wherein a plurality of first wheels is provided along ~~the outer~~ an outer periphery of the second wheel.

13. (Cancelled)

14. (Withdrawn - Currently Amended) The caster according to claim 1, wherein each of the pieces is provided with a plurality of connecting holes on opposite sides thereof, and

the at least one connecting member is a plurality of connecting members ~~are~~ adapted to pass, respectively, through each of the connecting holes, in order to connect the adjacent pieces together, thereby forming the continuous endless belt.

15. (Cancelled)

16. (Currently Amended) The caster according to claim 1, wherein the at least one connecting member is a sheet belt ~~extends in a direction perpendicular to the direction of the axis of rotation of each of the wheel.~~

17. (Withdrawn) The caster according to claim 14, wherein the at least one connecting ~~members extend~~ member extends in a direction parallel to the axial direction ~~of the axis of rotation of each of the wheel~~ wheels.

18. (New) The caster according to claim 1, wherein the at least one connecting member is a cord extending through a connecting hole provided in each of the side walls.

19. (New) A caster comprising:

first and second wheels being disposed forward and back and an endless wrap-around member wrapped around the first and second wheels, the first and second wheels having common tangents C1 and C2, the common tangent C2 having an angle α with respect to a ground surface,

wherein the wraparound member is a continuous endless belt formed by connecting a plurality of pieces via at least one connecting member, the wraparound member having a linear portion A formed along at least the common tangent C2 of the wheels,

wherein each of the pieces is independently formed as a body having a wheel guide section on an inner peripheral side thereof,

each of the wheel guide sections having

a connecting section extending in an axial direction of the wheels and facing the adjacent pieces of either side thereof,

a pair of side walls formed, respectively, on inner and outer peripheral ends of the connecting section,

each of the side walls facing the adjacent pieces and including a contact section extending away from an axis of the wheels in a direction perpendicular to the connecting section, and a guide wall extending toward the axis of the wheels in the direction perpendicular to the connecting section, and

when viewed along the axial direction of the wheels, each of the contacting sections is seen as a linear section that extends parallel to the contacting sections of the adjacent pieces, and that is perpendicular to the linear portion A of the common tangent C2 of the wheels, and

since the contacting sections of the adjacent pieces abut respectively against each other along the linear portion A, the linear portion A of the common tangent C2 is capable of maintaining a linear condition and is prevented from being dented, so that even when the linear portion A is pushed by a force from an outside, the linear portion A is capable of serving as an anti-sticking plate,

wherein the first wheel and the second wheel are offset with respect to each other in the axial direction of the wheels.

20. (New) The caster according to claim 1, wherein portions of the first wheel and the second wheel overlap each other when viewed in the axial direction of the wheels.